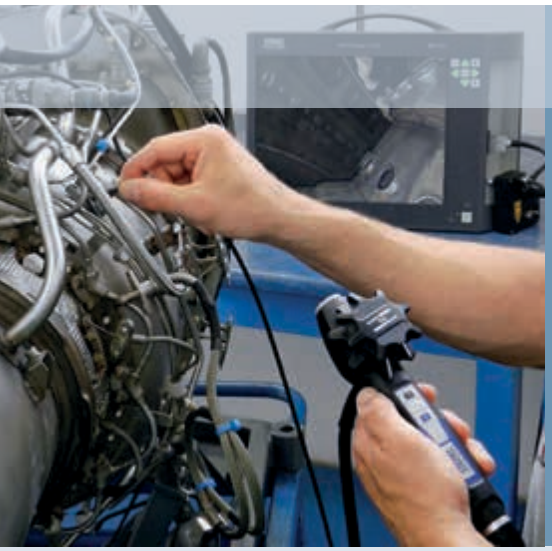
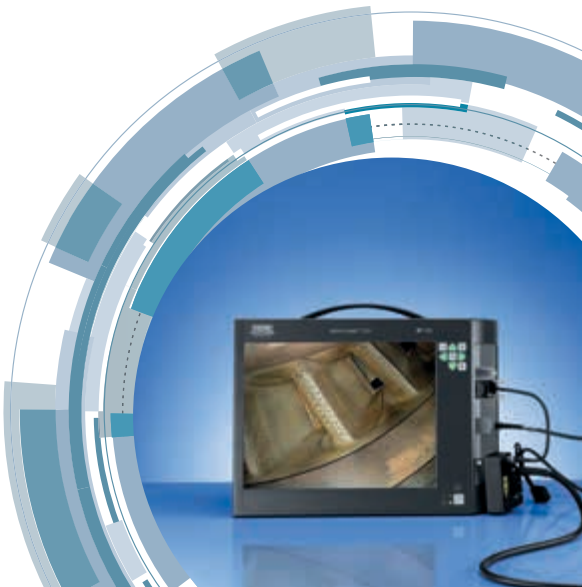
TECHNO PACK® T LED

The Latest Generation of the TECHNO PACK® Product Range





STORZ
KARL STORZ — ENDOSKOPE
INDUSTRIAL GROUP

TECHNO PACK® T LED

The latest generation of the TECHNO PACK® product range combines the proven quality and functionality of the TECHNO PACK® Xe with modern design and components of the TECHNO PACK® T and represents a milestone in KARL STORZ documentation systems.

The TECHNO PACK® T LED features a powerful LED light source that, in conjunction with the telescope, camera, or videoscope, ensuring homogeneous, bright images. On the large 15" monitor, even the smallest details can be viewed easily by several people simultaneously.

The patented MULTIPOINT measuring system for depth, height, length, area, and line-to-point measurements guarantees measuring accuracy in any starting position of the videoscope as well as on any type of surface.

The completely new software interface ensures simple and user-friendly operation.

Furthermore, the TECHNO PACK® T LED offers users optimal documentation options via photo and video storage. The high resolution inspection images can be stored on a USB stick or SD memory card and transferred to your computer or onto an additional external monitor, as desired.

KARL STORZ devices are designed and manufactured in accordance with highest quality standards to withstand rugged industrial use.

- Large 15" LCD high contrast monitor
- Powerful LED light source
- New, user-friendly intuitive software with measurement function
- Excellent performance at a competitive price
- Compatible with the entire KARL STORZ product range

Control via control keys or mouse/keyboard
Large 15" LCD high contrast monitor for easy viewing of small defects
Storage of images or videos on USB stick or SD memory card
Compatible with the entire KARL STORZ product range
User-friendly intuitive software with measuring function
Powerful LED light source for high intensity illumination, increased reliability and longer life

TECHNO PACK® T LED

Operator panel

- KARL STORZ MULTIPOINT measurement technology
- Simple and ergonomic operation
- Logical workflow system
- Text overlay options
- Multilingual interface

The TECHNO PACK® T LED interface ensures that all essential reference information is entered.

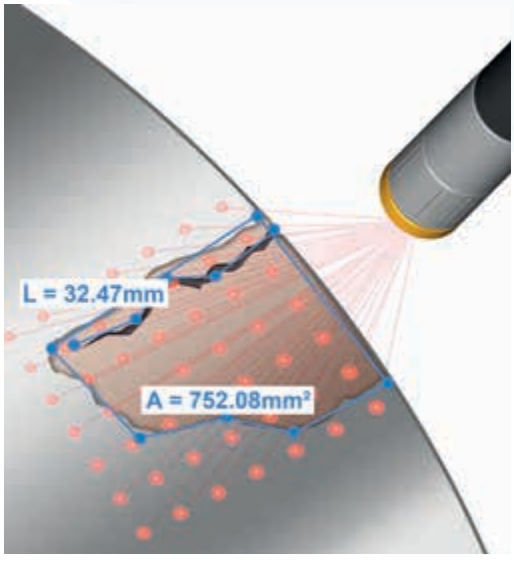
The simple, logical and functional layout of the interface ensures quick inspections and saves the user valuable time and resources.

Using the latest in high flux LED technology and a patented light coupling system, the KARL STORZ TECHNO PACK® T LED is capable of generating 25% more light than conventional illumination systems. This ensures that you have all of the light that you need, with a light source capable of running for more than 20,000 hours.

[1] Compared to a light source with 60 Watt Sol-Arc lights

TECHNO PACK® T LED

Measuring software



The KARL STORZ MULTIPOINT measurement technology is based on microprojectors that generate structured laser light points on the measured surface. These light points are then converted into 3D coordinates that span the surface to be measured. Thanks to structured illumination, textureless and reflective surfaces can be easily measured. Due to the nature and operation of this system, it can easily be incorporated alongside an optical tip. This allows for the measurement to be taken at the point of viewing. There is no requirement to remove the videoscope and exchange the tip, allowing for faster inspections to take place and reducing end user fatigue. The MULTIPOINT system has been in global use for over ten years and is accepted as the standard for rapid inspection that have a measurement requirement across multiple market sectors.

Distance measurment

Multi-line measurment

Line-to-point measurement

Area measurment

Depth measurment

TECHNO PACK® T LED

The new TECHNO PACK® T LED features a user-friendly interface as well as a simplified measuring process that minimizes the required training. For instance, the new MULTIPOINT measurement technology supports users with automatic measure and detection in three-dimensional space to generate results even faster. Within the three-dimensional space, users can choose from various measurement methods for determining lengths, areas, and depths. The optional reference measurement enables users to determine dimensions via comparison with a previously defined reference measure. This system is also offered alongside a full calibration service if required by your application.

SP 100-S1

TECHNO PACK® T LED, endoscopic video unit for use with KARL STORZ one-chip camera heads and videoscopes, including LED light source, 15" LCD monitor, USB/SD memory module, with integrated digital Image Processing Module, color systems PAL/NTSC, power supply 100 – 240 VAC, 50/60 Hz, 170 x 320 x 450 mm (d x h x b)

including:

KARL STORZ USB Flash Drive, 8 GB
Mains Cord, 300 cm (Schuko)
Mains Cord, 250 cm (US)
Wireless Mouse, with USB port
User Manual
Carrying Case

TECHNO PACK® T LED

Accessories

202120 30 **TELECAM One-Chip Camera Head,**
color system PAL, soakable, gas-sterilizable,
with integrated Parfocal Zoom Lens,
f = 25 – 50 mm (2x),
2 freely programmable camera head buttons

ET14-2191291 **USB Flash Drive 8 GB** with KARL STORZ logo

80603 **Multipurpose Stand,** for stable mounting of endoscopes and cameras

80600 H **Tension Rod**

81048042 A **IR Wireless Mouse, with USB port**
TRUST TK 4300P

TECHNO PACK® T LED

Technical data

TECHNO PACK® T LED

Power supply	100 – 240V
Line frequency	50 – 60 Hz
Power consumption	120 W
Dimensions in mm	450x350x150
Weight	7 kg
Operating conditions	+10°C to + 40°C, humidity: 5-95% rel. humidity, atm. pressure: 500 hPa – 1080 hPa
Storage temperature	-10°C to + 60°C, humidity: 5-95% rel. humidity, atm. pressure: 500 hPa – 1080 hPa
Sound power level	< 50dB(A)
Protection rating	IP20
Max. altitude	3000 m
Light source	
Light	LED
Color temperature	6500 K
Average lamp life	about 20,000 hours
TFT monitor	
Screen size	15"
Resolution	1024 x 768 pixels (XGA)
Contrast	700:1
Loudspeaker	
Power	2 Watt
Memory unit	
Memory interface	USB 2.0, SD memory card (SDHC-compatible)
Image format	JPEG
Video codec	MPEG-4
Video format	PAL/NTSC
Interfaces	
Video interfaces	DVI-D (out)
Audio	3.5 mm jack, 1 x microphone (1 x rear), line-in, line-out (inactive)

KARL STORZ **Industrial Group**

Measurement Systems and Documentation*

Videoscopes*

Portable Systems*

Product groups

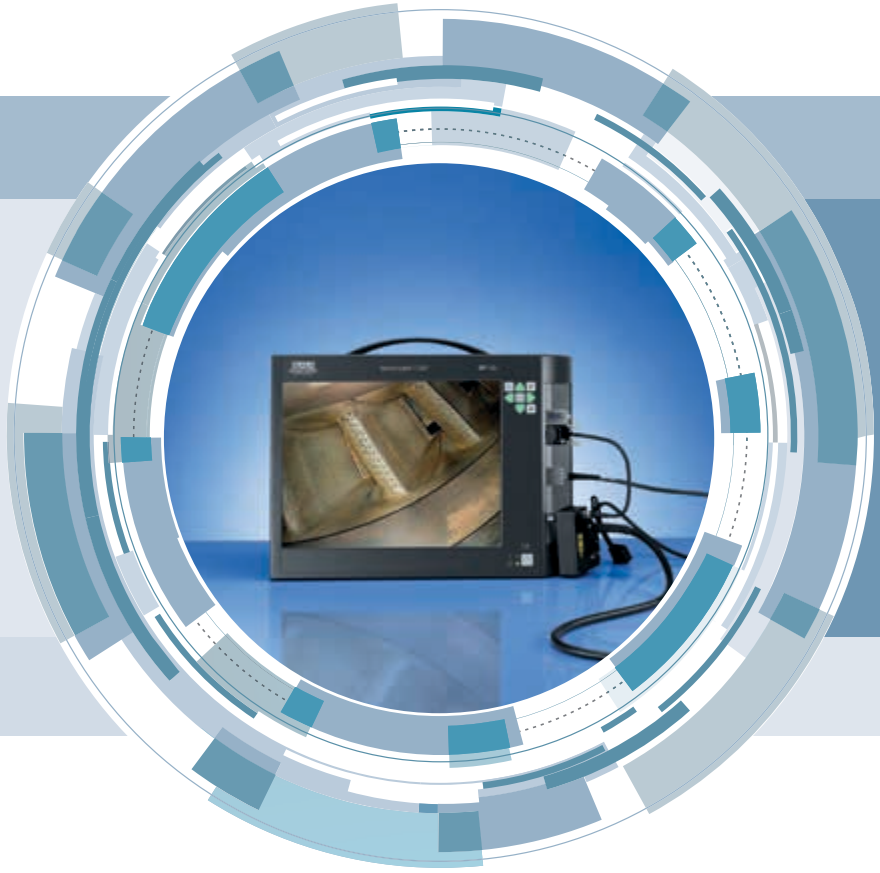
Flexoscopes*

Light Sources*

Borescopes*

At KARL STORZ, we are constantly advancing all of our products. For that reason, please understand that changes may be made to the scope of supply, design, equipment, and technology. Therefore, the information, illustrations, and descriptions contained herein cannot be made the basis for any claims whatsoever.

*For an up-to-date overview of the individual product groups, please refer to the product brochures of the KARL STORZ Industrial Group.



Your Focus – Our Scope

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